BRUHATH BANGALORE MAHANAGARA PALIKE

YELAHANKA DIVISION

Name of work: Modified Estimate for the work of Construction of Public toilet at NES circle in ward no -04 of yelahanka Satellite town sub division.

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
1	Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherever necessary, sorting the dismantled material, disposal of unserviceable material and stacking the serviceable material with all lifts complete as per specifications. C. Prestressed / Reinforced cement concrete grade M-20 & above. complete as per specifications and site engineer in incharge	cum			Nill				
2	Dismantling of existing structures like culverts,bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including T&P and scaffolding wherevernecessary, sorting the dismantled material, disposal of unserviceablematerial and stacking the serviceable material with all lifts complete as per specifications and site engineer in incharge	Cum							
	short wall		2	5.00	0.23	3.00	6.90		
	long wall		2	9.00	0.23	3.00	12.42		
							19.32	397.99	7689.00
	Approved Tender Rates upto 125%	397.99							
3	Dismantling cement concrete flooring or plain cement concrete work including removing and conveying the debris to distance upto 200m (within average thickness of 15 cms)complete as per specifications and site engineer in incharge	Sqm							
			1	5.00	9.00		45.00		
							45.00	97.51	4388.00
	Approved Tender Rates upto 125%	97.51							
4	Steel work in all types of Sections upto a Height of 5m above plinth level excluding Cutting of Rivet. - A.Including dismembering." complete as per specifications and site engineer in incharge	tonne			NILL				
5	Dismantling plastering and removing the debris with a lead upto 200m (complete as per specifications and site engineer in incharge	Sqm							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	short wall								
	long wall		2	5.00		2.00	20.00		
			2	9.00		2.50	45.00		
	Approved Tender Rates upto 125%						65.00	41.95	2727.00
6	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specifications and site engineer in incharge	41.95 Cum							
	short wall								
	long wall								
			2	5.00	0.23	3.00	6.90		
			2	9.00	0.23	3.00	12.42		
	Approved Tender Rates upto 125%						19.32	70.53	1363.00
7	Earthwork excavation for foundation of buildings, Water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the exavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications and site engineer in incharge	70.53 Cum							
	at NES bus stop near Anjeneya swamy temple								
	columns		12	1.50	1.50	1.30	35.10		
	long wall		3	13.00	0.90	0.70	24.57		
	short wall		4	7.10	0.90	0.70	17.89		
	for sump		1	3.70	2.50	2.30	21.28		
							98.84		
	Approved Tender Rates upto 125%	509.11					98.84	509.11	50318.91
8	Providing and Filling in foundation with granite / trap broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift complete as per specifications and site engineer in incharge	Cum							
	for columns		12	1.50	1.50	0.10	2.70		
	Approved Tender Rates upto 125%	2754.22					2.70	2754.22	7436.00
9	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	columns		12	1.50	1.50	0.10	2.70		
	long wall		3	13.00	0.75	0.10	2.93		
	short wall		4	7.10	0.75	0.10	2.13		
	for sump		1	3.70	2.70	0.10	1.00		
			1	11.50	7.35	0.10	8.45		
							17.21		
	Approved Tender Rates upto 125%	5785.11							
	Beyond 125%	5510.16					13.23	5785.11	76537.01
	Tender premium 4.98% above	274.41					3.98	5784.57	23002.33
	TOTAL	5784.57							
10	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications and site engineer in incharge	Cum							
	long wall		4	12.65	0.75	0.15	5.69		
	short wall		4	7.00	0.80	0.15	3.36		
							9.05		
	Approved Tender Rates upto 125%	6147.96							
	Beyond 125%	5855.76					6.53	6147.96	40146.18
	Tender premium 4.98% above	291.62					2.52	6147.38	15506.76
	TOTAL	6147.38							
11	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Cum							
	long wall		3	12.65	0.60	0.60	13.66		
	short wall		4	7.00	0.60	0.65	10.92		
							24.58		
	deduct colums		12	0.45	0.20	0.65	0.70		
							23.83		
	Approved Tender Rates upto 125%	5211.36							
12	Providing and constructing granite / trap / basalt size stone masonry in superstructure with cement mortar 1:4 , edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, scaffolding, curing complete as per specifications and site engineer in incharge	Cum					23.83	5211.36	124186.71
	for steps								
			1	3.00	0.60	0.20	0.36		
			1	3.00	0.45	0.20	0.27		

	Description of item	Unit	No	L	B	D	CQ	Rate	Amount
	Approved Tender Rates upto 125%	6882.92					0.65		
13	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications and site engineer in incharge	Cum					0.65	6882.92	4210.24
			1	4.55	7.40	0.80	26.92		
			1	4.10	7.40	0.80	24.27		
			1	2.85	7.40	0.80	16.87		
							68.21		
	Approved Tender Rates upto 125%	227.91					68.21	227.91	15547.77
14	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specifications and site engineer in incharge	Cum							
	Same as Qty No 7 - Qty no 13						40.82		
	89.03-48.21 = 40.82								
	Approved Tender Rates upto 125%	70.43					40.82	70.43	2874.95
15	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm							
	columns footings upto plinth level	12x2	24	0.45		0.80	8.72		
		12x2	24	0.20		0.80	4.32		
	column for mat	12x2	24	1.50		0.80	10.80		
		12x2	24	1.50		0.80	10.80		
	for sump	1x2	2	3.70		0.80	2.22		
		1x2	2	2.50		0.80	1.50		
							39.36		
	Approved Tender Rates upto 125%	292.54					39.36	292.54	11514.37
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm				0.40	28.04		
						0.40	24.48		
							53.52		
	plinth beam	2x3	6	12.10					
		4x2	8	7.65					
							53.52	405.93	21725.37
	Approved Tender Rates upto 125%	405.93							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
17	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, pillars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specifications and site engineer in incharge	Sqm							
	for column	12x2	24	0.45		3.00	32.40		
		12x2	24	0.20		3.00	14.40		
							46.80		
	Approved Tender Rates upto 125%	517.05					46.80	517.05	24197.94
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labourcomplete as per specifications and site engineer in incharge	Sqm							
	for lintels	2x2	4	12.05		0.20	9.64		
		2x2	4	7.65		0.20	6.12		
		2x2	4	7.30		0.20	5.84		
		1x2	2	5.10		0.20	2.04		
		4x2	8	1.60		0.20	2.56		
		3x2	6	1.60		0.20	1.92		
		1x2	2	3.60		0.20	1.44		
		4x2	8	1.50		0.20	2.40		
		4x2	8	1.50		0.20	2.40		
							34.36		
	Approved Tender Rates upto 125%	331.96					34.36	331.96	11406.15
19	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications and site engineer in incharge	sqm							
	edges of roof		2	9.65		0.30	5.79		
			2	14.00		0.30	8.40		
							14.19		
	Approved Tender Rates upto 125%	856.08					7.39	856.08	6326.43
	Beyond 125%	815.40					6.80	856.01	5820.85
	Tender premium 4.98% above	40.61							
	TOTAL	856.01							
20	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrscomplete as per specifications and site engineer in incharge	sqm							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	for roof		1	7.65	12.10		92.50		
			2	14.00	1.00		28.00		
			2	9.65	1.00		18.00		
							138.50		
	Approved Tender Rates upto 125%	452.55							
	Beyond 125%	432.00					115.50	452.55	52269.53
	Tender premium 4.98% above	21.51					23.00	453.51	10430.81
	TOTAL	453.51							
21	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing,complete as per specifications and site engineer in incharge	Cum							
	for columns footings		12	1.40	1.40	0.45	10.58		
	columns upto plinth level		12	0.45	0.20	0.90	0.97		
	plinth beam		3	12.50	0.20	0.40	3.00		
			4	7.20	0.20	0.40	2.30		
							16.86		
							16.86	6590.18	111110
	Approved Tender Rates upto 125%	6590.18							
22	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per specifications and site engineer in incharge	Cum							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	columns		12	0.45	0.20	3.00	3.24		
	lintels		3	12.25	0.20	0.20	1.47		
			4	7.45	0.20	0.20	1.19		
	lintel for partion wall		3	7.30	0.10	0.20	0.44		
			1	6.00	0.10	0.20	0.12		
			1	3.60	0.10	0.15	0.05		
			1	4.50	0.10	0.15	0.07		
	for sump		2	3.70	2.50	0.10	1.85		
			2	2.20	2.50	0.15	1.65		
			1	3.70	2.70	0.10	1.00		
							11.15		
							11.15		
	Approved Tender Rates upto 125%	6854.37					6.15	6854.37	42154.38
	Beyond 125%	6528.60					5.00	6853.72	34268.62
	Tender premium 4.98% above	325.12							
	TOTAL	**6853.72**							
23	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) for R.C.C works laid in 15 cms thick layers and well compacted including vibrating, curing, etc for all super Structure works with all lead and Lift etc., complete (exclusive of cost of steel and fabrication charges) Ready mixed cement for concrete with M-25. Pcomplete as per specifications and site engineer in incharge	Cum							
			1	9.65	14.08	0.15	20.38		
	roof beam		3	12.05	0.15	0.20	1.08		
			4	7.65	0.15	0.15	0.69		
							22.21		
	Approved Tender Rates upto 125%	6233.00					22.21	6233.00	138434.93
24	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications and site engineer in incharge	tonne							
							4.95		
	Approved Tender Rates upto 125%	80467.77					4.95	80467.77	398315.46

	Description of item	Unit	No	L	B	D	Qty	Rate	Amou
	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications and site engineer in incharge	Sqm							
			2	12.05		3.00	72.30		
			2	7.65		3.00	45.90		
	deduction ventilator						118.20		
			9	1.50		0.60	8.10		
			2	1.10		2.10	4.62		
							12.72		
							105.48		
	Approved Tender Rates upto 125%	1034.10					87.19	1034.10	90163.18
	Beyond 125%	984.96					18.29	1034.01	18912.06
	Tender premium 4.98% above	49.05							
	TOTAL	1034.01							
26	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications and site engineer in incharge	Sqm							
						3.00	21.90		
	partition		1	7.30		3.00	19.20		
			4	1.60		3.00	21.90		
			1	7.30		3.00	12.00		
			1	4.00		3.00	14.40		
			3	1.60		3.00	21.90		
			1	7.30		3.00	18.00		
			4	1.50			129.30		
						2.10	26.88		
	deduction doors		16	0.80			26.88		
							102.42		
	Approved Tender Rates upto 125%	919.56					102.42	919.56	94181.34

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
27	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm							
	external plastering		2	7.65		3.00	45.90		
			2	12.10		3.00	72.60		
							118.50		
	Deduction '								
	doors		2	1.10		2.10	**4.62**		
	ventilators		9	1.50		0.60	**8.10**		
							12.72		
							105.78		
	Approved Tender Rates upto 125%	295.94					**105.78**	**295.94**	**31304.53**
28	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm							
	internal plastering		2	7.30		3.00	43.80		
			2	11.70		3.00	70.20		
		4x2	8	1.60		3.00	38.40		
		3x2	6	1.20		3.00	21.60		
			1	1.55		3.00	4.65		
			1	1.75		3.00	5.25		
		3x2	6	1.60		3.00	28.80		
		3x4	12	1.20		3.00	43.20		
		4x2	8	1.50		3.00	36.00		
		1x2	2	1.80		3.00	10.80		
		1x2	2	1.50		3.00	9.00		
		3x2	6	1.20		3.00	21.60		
		4x2	8	1.50		3.00	36.00		
		4x4	16	1.20		3.00	57.60		
							426.90		
	Deduction								
	doors		12	0.80		2.20	**21.12**		
	ventilators		1	0.90		1.30	**1.17**		
							22.29		
							404.61		
	Approved Tender Rates upto 125%	231.31					**116.03**	**231.31**	**26838.90**
	Beyond 125%	220.32					**288.58**	**231.29**	**66746.23**
	Tender premium 4.98% above	10.97							
	TOTAL	**231.29**							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
29	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 to ceiling including rounding off corners wherever required smooth rendering. including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm							
	for ceiling								
			1	7.30	11.70		85.41		
			2	14.00	1.00		28.00		
			2	9.65	1.00		19.30		
			4	7.30		0.30	8.76		
			2	11.70		0.30	7.02		
							148.49		
	Approved Tender Rates upto 125%	255.12					148.49		
	Beyond 125%	243.00					105.85	255.12	27004.45
	Tender premium 4.98% above	12.10					42.64	255.10	10877.52
	TOTAL	255.10							
30	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, incldng cost of materials, labour, curing complete as per specifications and site engineer in incharge	Sqm							
	Qty Same as item no 28						404.61		
							404.61		
	Approved Tender Rates upto 125%	232.44					358.60	232.44	83352.98
	Beyond 125%	221.40					46.01	232.43	10693.91
	Tender premium 4.98% above	11.03							
	TOTAL	232.43							
31	providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all mateerial cost of labour and scaffolding etc.complete as per specifications and site engineer in incharge	Sqm							
	Qty Same as item no 28						404.61		
							404.61		
	Approved Tender Rates upto 125%	88.44					221.88	88.44	19623.07
	Beyond 125%	84.24					182.73	88.44	16159.76
	Tender premium 4.98% above	4.20							
	TOTAL	88.44							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
32	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications and site engineer in incharge	Sqm							
	Qty Same as item no 29						148.49		
							148.49		
	Approved Tender Rates upto 125%	102.05					105.85	102.05	10801.99
	Beyond 125%	97.20					42.64	102.04	4351.01
	Tender premium 4.98% above	4.84							
	TOTAL	102.04							
33	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications and site engineer in incharge	Sqm							
	Qty Same as item no 27						105.78		
							105.78		
	Approved Tender Rates upto 125%	385.50					105.78	385.50	40778.19
34	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing,complete as per specifications and site engineer in incharge	Sqm							
			1	1.60	1.75		2.80		
			1	1.60	1.55		2.48		
			3	1.20	1.60		5.76		
			1	3.40	2.95		10.03		
			1	3.60	1.20		4.32		
			3	1.20	1.60		5.76		
			3	1.50	1.20		5.40		
			1	1.50	1.50		2.25		
			1	2.75	1.85		5.09		
			1	1.50	1.50		2.25		

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
			3	1.20	1.50		5.40		
			1	4.50	1.00		4.50		
			1	7.35	2.70		19.85		
	Approved Tender Rates upto 125%	715.48					75.88		
35	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and site engineer in incharge	Sqm					75.88	715.48	54292.41
	Qty Same as Item no 34						75.88		
							75.88		
	Approved Tender Rates upto 125%	1372.00					75.88	1372.00	104110.79
36	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour,complete as per specifications and site engineer in incharge	Sqm							
	ladies toilet			2	1.60		2.10	6.72	
				2	1.75		2.10	7.35	
				2	1.55		2.10	6.51	
				2	1.60		2.10	6.72	
			3x2	6	1.20		2.10	15.12	
			3x2	6	1.60		2.10	20.16	
			3x2	6	1.20		2.10	15.12	
			3x2	6	1.60		2.10	20.16	
				2	1.50		2.10	6.30	
				2	1.80		2.10	7.56	
			1x2	2	1.50		2.10	6.30	
			1x2	2	1.50		2.10	6.30	
			3x2	6	1.20		2.10	15.12	
			3x2	6	1.50		2.10	18.90	
				2	1.50		2.10	6.30	
				2	1.50		2.10	6.30	
			3x2	6	1.20		2.10	15.12	
			3x2	6	1.50		2.10	18.90	
				1	7.35		2.10	15.44	
				1	4.50		2.10	9.45	
				1	7.00		2.10	14.70	
								244.55	
	deduction			2	1.10		2.10	4.62	
	doors			15	0.80		2.10	25.20	
								29.82	
								214.73	1850.51	397351

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
	Approved Tender Rates upto 125%	1850.51							
37	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per specifications and site engineer in incharge	Nos							
	doors		2				2.00		
							2.00	1548.89	3098
	Approved Tender Rates upto 125%	1548.89							
38	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineriescomplete as per specifications and site engineer in incharge	cum							
			4	1.10	0.10	0.100	0.04		
			4	2.10	0.10	0.100	0.08		
							0.13	99333.47	12913
	Approved Tender Rates upto 125%	99333.47							
39	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications and site engineer in incharge	sqm							
			2	1.00		2.10	4.20		
							4.20	5354.23	22488
	Approved Tender Rates upto 125%	5354.23							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
40	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM), U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segments, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium density foam/Plaster with fibre reinforcement. Six Numbers of 260mmx25mmx5mm size S shaped M.S. flat hold fast shall be provided with the frame, complete as per specifications and site engineer in incharge	m							
			2x2	4	2.10			8.40		
			2x2	4	1.10			4.40		
								12.80	510.25	6531
	Approved Tender Rates upto 125%	510.25								
41	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, fabricated using U.V-stabilized Isopthalic Gelcoat and one layer of 450 gns E-Glass Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for manufacturing the door shutters shall confirm to RV-TIFAC Composites Design Centre Standards and specifications and the door shutters tested in confiramation to IS 4020-1994. The finish of shutter will be plain coulur White/IVORY/Beige/Light Grey or any other colour using high quality pigments. Excluding cost of fixtures and inclusive of supply of shutters to	Sqm							
							2.10	8.40		
			2x2	4	1.00			8.40	4308.78	36194

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
	Approved Tender Rates upto 125%	4308.78							
42	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and site engineer in incharge	sqm							
		2x2	4	0.10		2.10	0.84		
		2x2	4	0.10	1.10		0.44		
	Approved Tender Rates upto 125%	109.89					1.28	109.89	141
43	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m, sides and top sections 1.3 mm, thick, weight 0.933 kg/m shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc., providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end clips for corners, angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be, with necessary steel screws, raul plugs or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar - using aluminium section powdered coated to a minimum of 60- 70 microns with exterior durable pure polyester grade powder of approved qualitycomplete as per specifications and site engineer	Sqm							
			9	1.50		0.60	8.10		
	Approved Tender Rates upto 125%	5028.81					8.10		
	Beyond 125%	4789.80					1.69	5028.81	8498.69
	Tender premium 4.98% above	238.53					6.41	5028.33	32231.61
	TOTAL	5028.33							

	Description of Item	Unit	No	L	B	D	Qty	Rato	Amou
44	Providing and fixing M.S grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and site engineer in incharge	Kg							
	21kg / sqm								
	170.1								
			9	1.50		0.60	8.10		
							170.10		
	Approved Tender Rates upto 125%	107.71					15.95	107.71	1717.97
	Beyond 125%	102.60					154.15	107.71	16603.42
	Tender premium 4.98% above	5.11							
	TOTAL	107.71							
45	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and site engineer in incharge	sqm							
		9x2	18	1.50		0.60	16.20		
							16.20		
	Approved Tender Rates upto 125%	107.71					1.69	107.71	182.03
	Beyond 125%	102.60					14.51	107.71	1562.86
	Tender premium 4.98% above	5.11							
	TOTAL	107.71							
46	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) complete as per specifications and site engineer in incharge	cum							
			1	7.35	11.50	0.40	33.81		
							33.81	368.51	12459
	Approved Tender Rates upto 125%	368.51							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
47	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and site engineer in incharge	Each							
			13				13.00		
							13.00	5619.56	73054
	Approved Tender Rates upto 125%	5619.56							
48	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a Single 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labourcomplete as per specifications and site engineer in incharge	Unit							
			10				10.00		
							10.00	3570.62	35706
	Approved Tender Rates upto 125%	3570.62							
49	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and site engineer in incharge	Unit							
			2				2.00		
	Approved Tender Rates upto 125%	9153.91					2.00	9153.91	18308

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amou
50	Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labourcomplete as per specifications and site engineer in incharge	Unit							
			4				4.00		
							4.00	1288.10	5152
	Approved Tender Rates upto 125%	1288.10							
51	Providing and fixing C.P brass towel rail 740mm length, 20mm dia with C.P brackets, fixed to wooden cleats with C.P brass screws including cost of materials, labour complete as per specifications and site engineer in incharge	Unit							
			6				6.00		
							6.00	837.94	5028
	Approved Tender Rates upto 125%	837.94							
52	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. complete as per specifications and site engineer in incharge	Each							
			42				42		
							42	170.08	7143
	Approved Tender Rates upto 125%	170.08							
53	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. - do - 110 mm dia complete as per specifications and site engineer in incharge	m				nill			
54	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications.For Rain water pipe. **- do - 160 mm dia** complete as per specifications and site engineer in incharge	m				nill			

	Description of item	Unit	No	L	B	D	Qty	Rate	Amoun
55	Constructing brick masonry inspection chamber 600x600mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. Specification No. KBS 600x600mm and 450mm depth (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5, C.I cover withframe (light duty) 600x600mm. complete as per specifications and site engineer in incharge	Nos.							
			4				4		
							4	9626.74	38507
	Approved Tender Rates upto 125%	9626.74							
56	Providing and placing on terrace, polyethylene water storage tanks with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM of equipments and testing complete as per specifications and site engineer in incharge	Each							
			2				2		
							2	23226.64	46453
	Approved Tender Rates upto 125%	23226.64							
57	Providing and fixing in position brass bib cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge	Each							
			30				30		
							30	196.16	5885
	Approved Tender Rates upto 125%	196.16							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
58	Providing and fixing in position brass stop cock of approved quality 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leadscomplete as per specifications and site engineer in incharge	Each							
			15				15		
	Approved Tender Rates upto 125%	159.87					15	159.87	2398
59	Providing and fixing in position brass gate valve with C.I wheel of approved quality (screwed end) 20mm nominal bore including cost of all materials, labour and HOM of equipments with all leads complete as per specifications and site engineer in incharge	Each							
			3				3		
	Approved Tender Rates upto 125%	380.98					3	380.98	1143
60	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3 **20mm nominal OD pipes** complete as per specifications and site engineer in incharge	m							
			40				40		
	Approved Tender Rates upto 125%	266.46					40	266.46	10658
61	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the walls etc.,) page no 99 item no13.86.2 and 13.86.3 **25mm nominal OD pipes** complete as per specifications and site engineer in incharge	m							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
			40				40		
							40	332.23	13289
	Approved Tender Rates upto 125%	332.23							
62	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. **Short point upto 3m** complete as per specifications and site engineer in incharge	Point							
			25				25		
							25	209.98	5250
	Approved Tender Rates upto 125%	209.98							
63	Point wiring using copper wire without switch Supplying and wiring adopting loop system in existing PVC Conduit /casing capping using 2x1.5Sqmm (Phase & Neutral) & 1x1.0 sqmm (Earth wire) FRLS multi strand PVC insulated copper wire (confirming to IS-694: and latest amendments) with a 6Amps flush type SP control switch shall be fixed on the existing plastic sheet/ gang box, the other end of the wires shall be terminated with sufficient loose length in a wood/PVC round block. complete for each outlet. **Medium point above 3m - 6m** complete as per specifications and site engineer in incharge	Point							
			15				15		
							15	288.72	4331
	Approved Tender Rates upto 125%	288.72							

	Description of Item	Unit	No	L	B	D	Qty	Rate	Amount
64	Concealed Conduit System - Supplying heavy gauge PVC conduit pipe .....mm dia .....mm thick confirming to IS 2509 with suitable size bends, metal/PVC junction boxes, adhesive paste etc., and running before concreting the slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of unction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fish wire wherever necessary **25mm dia, 2mm thick** complete as per specifications and site engineer in incharge	Rm							
			69.4				69.40		
	Approved Tender Rates upto 125%	55.64					69.40	55.64	3861
65	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary **19/20mm dia, 2mm thick** complete as per specifications and site engineer in incharge	Rm							
			67.95				67.95		
	Approved Tender Rates upto 125%	53.54					67.95	53.54	3638
66	Groove cutting : Supplying heavy gauge conduit PVC 25/2mm of s thick heavy with suitable size bend , metal junction boxes, adhesive pastes etc, by groove cutting in a wall and fixing by bracing U or J hooks and cement plastering up to the surface and run with 18SWG GI fish wire run throughout the conduit where ever necessary **25mm dia, 2mm thick** complete as per specifications and site engineer in incharge	Rm							
			46.82				46.82		
	Approved Tender Rates upto 125%	56.69					46.82	56.69	2654
67	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C C wall **1 - 3 Way** complete as per specifications and site engineer in incharge	Each							
			16				16		

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							16	99.74	1596
	Approved Tender Rates upto 125%	99.74							
68	Supplying and flush mounting powder coated / galvanized metal box suitable for mounting modular switch plates. The box should be firmly flush mounted after due groove cutting in Brick/Stone/C.C wall **4 - 5 Way** complete as per specifications and site engineer in incharge	Each							
							8		
			8				8	110.23	882
	Approved Tender Rates upto 125%	110.23							
69	Supplying 6A flush type socket and 6 amp flush type SP switch either surface/flush mountinh in existing gang box or in 4mm thik plastic sheet and fixing over a flush mounted wooden box and wiring using necessary capacity wire as required as per IS 1293 and IS 3654 **6AMP 3/5 and Switch** complete as per specifications and site engineer in incharge	No								
			3				3		
							3	138.58	416
	Approved Tender Rates upto 125%	138.58							
70	Supplying and mounting 2 Nos, of 2 Way 6amps flush type switches either surface/flush mounted on existing gang box or in 4mm thick plastic sheet and mounted on a flusg mounted wooden box and wiringcomplete as per specifications and site engineer in incharge	Each							
			4				4		
							4	157.48	630
	Approved Tender Rates upto 125%	157.48							
71	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/nitches as per IS 1293 and IS 3854 **16Amps Combined switch and socket with indication** complete as per specifications and site engineer in incharge	No							
			6				6		
							6	203.68	1222
	Approved Tender Rates upto 125%	203.68							

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
72	Supply and fixing of bakelite D.P /socket/switch with/ without neon indicator over existing wood board or flush mounting in plastic plates/switches as per IS 1293 and IS 3854 **Electronic stepped regulator.** complete as per specifications and site engineer in incharge	No							
			1				1		
	Approved Tender Rates upto 125%	157.48					1	157.48	157
73	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS- 94 confirming to latest amendments **1.5sqmm** complete as per specifications and site engineer in incharge	Rm							
			90				90		
	Approved Tender Rates upto 125%	21.05					90	21.05	1895
74	Wiring for lighting/power circuit using one of FRLS PVC insulated 1100V grade, multistrand copper wire with low conductor resistance single core in open or concealed system of wiring with specified IS-694 confirming to latest amendments **2.5sqmm** complete as per specifications and site engineer in incharge	Rm							
			30				30		
	Approved Tender Rates upto 125%	33.59					30	33.59	1008
75	Supplying and fixing Metal Fan Box with Round Hook complete as per specifications and site engineer in incharge	Each							
			1				1		
	Approved Tender Rates upto 125%	89.24					1	89.24	89
76	Suppiying and fixing of slim box Fitting ,made out of CRCA sheet metal body with locking type holder completely wired Excluding Ballast &Flouresent Tube. 1X4' Tube light Fitting complete as per specifications and site engineer in incharge	Nos							
			2				2		
	Approved Tender Rates upto 125%	314.97					2	314.97	630

	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
77	Supplying capacitor type ceiling fan complete with down rod blades shackle, canopies etc, for operation on 230 volts, 50 cycles. single phase AC supply conforming to ISS-374-1979 and with double ball bearing system **48" sweep (1200mm)** complete as per specifications and site engineer in incharge	Each			nill				
							Grand Total		2792441.11
							12% GST		335092.93
							Grand Total		3127534.04
(Rupees Thirty one Lakhs Twenty seven thousand five hundred thirty four Only)									

Assistant Engineer

Assistant Executive Engineer
Yelahanka Satellite town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

Technical Sanction
Accorded For Rs 3123534.04
Head of A/C ...D3294...
CER NO : ...71... Dt: 10.02.2021

CE (YNK)